

Title (en)  
ALL-SOLID-STATE BATTERY AND METHOD FOR MANUFACTURING SAME

Title (de)  
FESTSTOFFBATTERIE UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)  
BATTERIE À ÉTAT TOUT SOLIDE ET SON PROCÉDÉ DE FABRICATION

Publication  
**EP 2884573 A1 20150617 (EN)**

Application  
**EP 13827904 A 20130807**

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Abstract (en)  
A main object of the present invention is to provide an all-solid-state battery capable of improving the performance and a method for manufacturing the all-solid-state battery. The present invention includes: an all-solid-state battery including a first active material layer including an active material and at least one kind or more of solid material having a different young' s module from that of the active material, an electroconductive layer in contact with the first active material layer, a current collector connected to the first active material layer via the electroconductive layer, a second active material layer, a solid electrolyte layer arranged in a manner to be sandwiched by the first active material layer and the second active material layer, wherein the electroconductive layer has a larger deformation quantity when a compressive force is applied than that of the current collector; and a method for manufacturing an all-solid-state battery including the steps of preparing the first active material layer, contacting the electroconductive layer having a larger deformation quantity when a compressive force is applied than that of the current collector, connecting the current collector to the electroconductive layer such that the current collector is connected to the first active material layer via the electroconductive layer, preparing the solid electrolyte layer to be connected to the first active material layer, and preparing the second active material layer.

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Cited by  
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